

What is claimed is:

1. A vehicle monitoring system comprising:

a tire pressure sensor;

a transmitter coupled to the tire pressure sensor for
5 wirelessly transmitting a signal indicative of a tire
pressure;

a receiver for receiving the signal indicative of the
tire pressure and for receiving a signal of a remote keyless
entry device;

10 a controller coupled to the receiver for processing the
signal indicative of the tire pressure and outputting a
status signal; and

a status indicator for receiving the status signal and
indicating a tire pressure status according to the status
15 signal.

2. The vehicle monitoring system of claim 1, wherein the
transmitter and the remote keyless entry device transmit
signals on a shared frequency, wherein the signals are
20 received by the receiver.

3. The vehicle monitoring system of claim 1, wherein the
transmitter and the remote keyless entry device transmit

signals on different frequencies, wherein the signals are received by the receiver.

4. The vehicle monitoring system of claim 1, wherein the
5 remote keyless entry device comprises the status indicator.

5. The vehicle monitoring system of claim 1, wherein the controller comprises a timer, wherein the controller periodically polls the tire pressure sensor.

10

6. The vehicle monitoring system of claim 1, wherein the tire pressure sensor is responsive to a signal of the remote keyless entry device for controlling a security system.

15 7. The vehicle monitoring system of claim 1, comprising a power source coupled to the tire pressure sensor.

8. The vehicle monitoring system of claim 7, wherein the power source is a battery.

20

9. The vehicle monitoring system of claim 7, wherein the power source is a transducer for converting a signal into a current.

10. The vehicle monitoring system of claim 9, wherein the signal is transmitted by the remote keyless entry device.

11. The vehicle monitoring system of claim 9, wherein the
5 signal is transmitted by the controller.

12. A vehicle monitoring method comprising:

generating a signal for controlling a vehicle security system;

10 receiving the signal for controlling a vehicle security system at a tire pressure monitor;

generating a tire pressure signal in response to the signal for controlling the vehicle security system; and

receiving the signal for controlling a vehicle security
15 system and the tire pressure signal at a controller.

13. A vehicle monitoring method of claim 12, further comprising:

performing an operation of the vehicle security system
20 according to the signal for controlling a vehicle security system; and

generating a indication of tire pressure in response to the tire pressure signal.